



PRODUCT-DETAILS

3GBP162430-BDM

IE4 Super Premium Efficiency Cast Iron Motors, 15 kW, 400 V (3GBP162430-BDM)



General Information

Product ID:	3GBP162430-BDM
ABB Type Designation:	M3BP 160MLC 4
Catalog Description:	IE4 Super Premium Efficiency Cast Iron Motors, 15 kW, 400 V (3GBP162430-BDM)
Display Name:	3GBP162430-BDM

Ordering

ABB Type Designation:	M3BP 160MLC 4
Invoice Description:	M3BP 160MLC 4
Product Name:	3-Phase squirrel cage motor
Product Type:	3BP4__M3BP_IE4_CI
Country of Origin:	Finland China Poland
Customs Tariff Number:	85015230
Replaced Product ID (OLD):	3GBP162420-BDM

Stocked At (Warehouses):	Menden, Germany
Medium Description:	15kW, 4 Poles, Frame Size 160, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GBP162430-BDM)
Short Description:	15kW, 4P, Frame Size 160, 3PH, 400V, 50Hz, IP55, IMB5/IM3001

Electrical

Conn	Temp Class	Network Freq	Network Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	690 V	15.00 kW	1478 r/min	17.60 A	0.760	93.90 %	96.90 N-m	8.30
D	--	50 Hz	400 V	15.00 kW	1478 r/min	30.30 A	0.760	93.90 %	96.90 N-m	8.30
D	--	50 Hz	415 V	15.00 kW	1479 r/min	29.60 A	0.750	93.90 %	96.90 N-m	8.50
D	--	60 Hz	460 V	15.00 kW	1782 r/min	27.00 A	0.750	94.10 %	80.40 N-m	9.50

Connection Configuration:	D
Temperature Class Default:	--
Input Voltage (U_{in}):	400 V
Frequency (f):	50 Hz
Output Power:	15 kW
Altitude:	1000 m
Ambient Temperature:	40 °C
IC Class:	IC411
IE Class Data (50 Hz):	IE Class IE4 Full Load (100%) 93.9 % Partial Load (75%) 94.0 % Partial Load (50%) 92.8 %
IE Class Data (60 Hz):	IE Class IE4 Full Load (100%) 94.1 % Partial Load (75%) 93.9 % Partial Load (50%) 92.6 %
IP Class:	IP55
Insulation Class:	ICLF
Direction of Rotation:	Both sides
Number of Poles (High):	4
Two Speed Motor:	No
Type of Duty:	S1
Voltage Code:	D

Mechanical

Frame Material:	Cast Iron
Frame Size:	160
Bearing:	6309/C3
Bearing NDE:	6209/C3

IM Class:	IMB5 IM3001
Terminator Box Location:	D-End top

Dimensions

Product Net Depth / Length:	897 mm
Product Net Height:	329 mm
Product Net Width:	310 mm
Product Net Weight:	185 kg
Gross Weight:	195 kg

Environmental

WEEE Category:	4. Large Equipment (Any External Dimension More Than 50 cm)
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External Classifications and Standards

UNSPSC:	26101100
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Categories

Products > Motors and Generators > IEC Low Voltage AC Motors > Process Performance Motors > IE4 Super Premium Efficiency Cast Iron Motors

